



Figure 1:

Nucleotide sequence (SEQ ID NO: 17) and corresponding amino acid sequence (SEQ ID NO: 18) of the *Archaeoglobus fulgidus* exonuclease III gene:

atg ctc aaa atc gcc acc ttc aac gta aac tcc atc agg agc aga ctg	48
Met Leu Lys Ile Ala Thr Phe Asn Val Asn Ser Ile Arg Ser Arg Leu	
1 5 10 15	
cac atc gtg att ccg tgg ctg aag gag aac aag cct gac att cta tgc	96
His Ile Val Ile Pro Trp Leu Lys Glu Asn Lys Pro Asp Ile Leu Cys	
20 25 30	
atg cag gag acg aag gtt gag aac agg aag ttt cct gag gcc gat ttt	144
Met Gln Glu Thr Lys Val Glu Asn Arg Lys Phe Pro Glu Ala Asp Phe	
35 40 45	
cac cgc atc ggc tac cac gtc gtc ttc agc ggg agc aag gga agg aat	192
His Arg Ile Gly Tyr His Val Val Phe Ser Gly Ser Lys Gly Arg Asn	
50 55 60	
gga gtg gcc ata gct tcc ctc gaa gag cct gag gat gtc agc ttc ggt	240
Gly Val Ala Ile Ala Ser Leu Glu Glu Pro Glu Asp Val Ser Phe Gly	
65 70 75 80	
ctc gat tca gag ccg aag gac gag gac agg ctg ata agg gca aag ata	288
Leu Asp Ser Glu Pro Lys Asp Glu Asp Arg Leu Ile Arg Ala Lys Ile	
85 90 95	
gct ggc ata gac gtg att aac acc tac gtt cct cag gga ttc aaa att	336
Ala Gly Ile Asp Val Ile Asn Thr Tyr Val Pro Gln Gly Phe Lys Ile	
100 105 110	
gac agc gag aag tac cag tac aag ctc cag tgg ctt gag agg ctt tac	384
Asp Ser Glu Lys Tyr Gln Tyr Lys Leu Gln Trp Leu Glu Arg Leu Tyr	
115 120 125	
cat tac ctt caa aaa acc gtt gac ttc aga agc ttt gct gtt tgg tgt	432
His Tyr Leu Gln Lys Thr Val Asp Phe Arg Ser Phe Ala Val Trp Cys	
130 135 140	
gga gac atg aac gtt gct cct gag cca atc gac gtt cac tcc cca gac	480
Gly Asp Met Asn Val Ala Pro Glu Pro Ile Asp Val His Ser Pro Asp	
145 150 155 160	
aag ctg aag aac cac gtc tgc ttc cac gag gat gcg aga agg gca tac	528
Lys Leu Lys Asn His Val Cys Phe His Glu Asp Ala Arg Arg Ala Tyr	
165 170 175	
aaa aaa ata ctc gaa ctc ggc ttt gtt gac gtg ctg aga aaa ata cat	576
Lys Lys Ile Leu Glu Leu Gly Phe Val Asp Val Leu Arg Lys Ile His	
180 185 190	
ccc aac gag aga att tac acc ttc tac gac tac agg gtt aag gga gcc	624
Pro Asn Glu Arg Ile Tyr Thr Phe Tyr Asp Tyr Arg Val Lys Gly Ala	
195 200 205	

att	gag	cgg	ggg	ctg	gga	tgg	agg	gtt	gat	gcc	atc	ctc	gcc	acc	cca	672
Ile	Glu	Arg	Gly	Leu	Gly	Trp	Arg	Val	Asp	Ala	Ile	Leu	Ala	Thr	Pro	
	210					215					220					

ccc	ctc	gcc	gaa	aga	tgc	gtg	gac	tgc	tac	gca	gac	atc	aaa	ccg	agg	720
Pro	Leu	Ala	Glu	Arg	Cys	Val	Asp	Cys	Tyr	Ala	Asp	Ile	Lys	Pro	Arg	
	225				230					235					240	

ctg	gca	gaa	aag	cca	tcc	gac	cac	ctc	cct	ctc	gtt	gct	gtg	ttt	gac	768
Leu	Ala	Glu	Lys	Pro	Ser	Asp	His	Leu	Pro	Leu	Val	Ala	Val	Phe	Asp	
				245					250					255		

gtg	tag															774
Val																